

Title (en)

Continuous metal casting apparatus.

Title (de)

Stranggiessanlage.

Title (fr)

Dispositif pour la coulée continue de métaux.

Publication

EP 0248242 A2 19871209 (EN)

Application

EP 87107002 A 19870514

Priority

US 87100586 A 19860605

Abstract (en)

In a continuous casting vessel, the gap (GP) between the feed column of molten metal and the mold (MLD) inlet port (INL) is electromagnetically sealed by applying polyphase current on the edge of the inlet port (INL) to form therewith an integral inductor (CLR) effective to contain the metal in the pool about the meniscus (MNS) at the base of the feed column (CLN) in the sunk nozzle (INZ).

IPC 1-7

B22D 11/10; **B22D 11/14**

IPC 8 full level

B22D 11/04 (2006.01); **B22D 11/045** (2006.01); **B22D 11/10** (2006.01); **B22D 11/103** (2006.01); **B22D 11/119** (2006.01)

CPC (source: EP US)

B22D 11/0455 (2013.01 - EP US)

Cited by

EP1358959A1; US6910521B2

Designated contracting state (EPC)

BE DE FR NL

DOCDB simple family (publication)

US 4693299 A 19870915; DE 3771582 D1 19910829; EP 0248242 A2 19871209; EP 0248242 A3 19880817; EP 0248242 B1 19910724; JP S62289350 A 19871216

DOCDB simple family (application)

US 87100586 A 19860605; DE 3771582 T 19870514; EP 87107002 A 19870514; JP 13962487 A 19870603